



United States Steel Corporation  
Clairton Works  
400 State Street  
Clairton, PA 15025

42-003-00032

February 18, 2014

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Ms. Gail Eddings  
Allegheny County Health Department  
Department of Air Quality  
301 Thirty-Ninth Street  
Pittsburgh, PA 15201

Subject: USS Reference Number: 14-0045  
ACHD Reference Number: N/A  
Sulfur Plant  
USS Clairton Works

Dear Gail Eddings,

The attached form confirms our verbal report of the subject incident and satisfies the requirements of paragraph IV.8 of the Title V operating permit #0052 as issued on March 27th 2012.

I certify that based on the information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete. Any questions concerning this matter should be referred to Coleen M. Davis at 412-233-1015.

Sincerely,

Thomas E. Schumacher  
Plant Manager  
Clairton Works

CC: James W. Hagedorn (USEPA)

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NOTICE OF OUTAGE OF EQUIPMENT  
ARTICLE XXI - SECTION 2108.1

1. USS Reference Number: 14-0045  
ACHD Reference Number: N/A
2. Date & Time of Breakdown: Date: 02/14/14 Time: 1603 hours
3. Company Name: U.S. Steel Corporation - USS Clairton Works
4. Specific Equipment Involved or Affected: Sulfur Plant
5. BAPC Permit Number (if applicable):
6. Location: Clairton, PA

Nature and cause of breakdown: A transmitter failure for the rich carbonated solution of the 600 Vacuum Carbonate Unit caused the 40 grain H<sub>2</sub>S limit at the Sulfur Plant to be momentarily exceeded.

8. Identification of Emissions:

- A. Type(s) (CO, NOX, SO<sub>2</sub>, Particulates, Hydrocarbons, etc.)  
Elevated H<sub>2</sub>S in the down river gas line system, causing increased SO<sub>2</sub> at points of combustion.
- B. Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). SO<sub>2</sub> is an eye, nose, and throat irritant.
- C. Amount of each type emitted (or likely to be emitted).  
Light

9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).  
The problem was resolved and normal operations resumed.

10. Facility back in operation - Date: 02/14/14 Time: 1622 hours

Reviewed by Coleen M. Davis Date 2-18-14  
Coleen M. Davis  
Senior Environmental Control Engineer Phone: 412-233-1015